

Statement of Basis of the Federal Operating Permit

CITGO Refining and Chemicals Company L.P.

Site Name: Corpus Christi Refinery East Plant and Terminal

Physical Location: 1802 Nueces Bay Blvd

Nearest City: Corpus Christi

County: Nueces

Permit Number: 01423

Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 2911

SIC Name: Petroleum Refining

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document includes the following information:

- A description of the facility/area process description;
- A description of the revision project;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected; and
- A list of available unit attribute forms.

Prepared on: September 13, 2016

Operating Permit Basis of Determination

Description of Revisions

The permit was revised as follows:

1. 40 CFR Part 63, Subpart DDDDD (NESHAP for Industrial, Commercial, and Institutional Boilers and Process Heaters) applicability was added to the Applicable Requirement Summary Table for the following emission units: 11H-1, 11-H2, 14-H1, 17-H1, 19-H1, 19-H2, 207-H1, 21-H1A, 21-H1B, 28-H1, 28-H2, 29-H1 C&D, 29-H1A, 29-H1B, 29-H2, 29-H3, 31-H1, 38-H2, 41-H1, 41-H2, 911-H, 61-B3E, and 83-H1.
2. 40 CFR Part 60, Subpart GGGa (NSPS for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after November 7, 2006) applicability was added to the Applicable Requirement Summary Table for emission units 41-U41 and FUG-GHT.
3. 30 TAC Chapter 115, Vent Gas Control Requirements were added to the Applicable Requirement Summary Table for emission unit 44-V10.
4. The NSR Authorization for emission unit 46-V10 was updated to permit 21706 in the NSR Authorization References by Emissions Unit Table.
5. The Major NSR Summary Tables for NSR permits 5418A/PSDTX36, 6722A/PSDTX96, and 9604A/PSDTX653M1 were updated to reflect the current versions of these permits.
6. Updates to NSR permits 2697A, 21706, 2703A, 2705A, 2706A, 72654, 2699A relating to the Tier III Gasoline Project have been incorporated by reference. The issuance dates for these permits have been updated in the New Source Review Authorization by References Table.
7. Emission units 90-TK5001, 90-TK5002, 90-TK5003, 90-TK5004, 90-TK5005, 90-TK5006, 90-TK5007, 90-TK5008, 90-U90, 91-TK4001, 91-TK4002, 91-TK4003, and 91-U91 have been removed from the permit. These emission units are part of the CITGO Refining and Chemicals Company L.P., Corpus Christi Refinery - West Plant, permit O1420.

Permit Area Process Description

The East Plant Refinery consists of several integrated petroleum and petrochemical processing units and key support facilities. Primary products produced include gasoline and petrochemical products. Some intermediate products are sent to the West Plant for further processing and returned for ultimate processing, while other East Plant intermediates are processed into diesel blending components and a coke sales product. Intermediate products are transported to and from the West Plant via interconnecting pipeline and barge docks.

The Crude and Vacuum Units are used to separate the crude oil by distillation into light naphtha, naphtha, kerosene, diesel, and gas oils in two steps. First, the total crude oil is fractionated in the atmospheric tower, then the high-boiling bottoms fraction is fed to the vacuum tower, operated at deep vacuum in order that fractionation takes place at the lowest possible vaporization temperature.

The No. 4 Unifiner's purpose is to catalytically remove compounds that poison or damage platformer reactor catalyst from naphtha feedstreams into the No. 4 Platformer Unit. A bimetallic catalyst is used to convert sulfur, nitrogen, oxygen, and organic metals into more easily removable compounds, and the saturation of some olefins into paraffins and isoparaffins is achieved.

The No. 4 Platformer is a catalytic reforming process employing a platinum catalyst to convert low-octane naphtha into high-octane full-range platformate product. Isomerization, hydrocracking, and

dehydrocyclization take place here, and the platformate product is split to produce an aromatic-rich feedstock for the Udex unit and a high-octane blending component for gasoline.

The Unibon unit is designed to improve the quality of gas oils to make them suitable for upgrading in the Fluid Catalytic Cracking units. The principle contaminants, sulfur, nitrogen, and the metals nickel and vanadium, are replaced with hydrogen in the presence of catalyst. The treated gas oil is sent to fractionation to separate the lighter components from the treated stream prior to processing at the Cat Crackers.

The purpose of the No. 1 Fluid Catalytic Cracking Unit, consisting of an integrated catalyst section and fractionation section, is to convert heavy petroleum fractions like gas oils into more valuable fractions like raw gasoline.

The Hydrar Unit, designed to hydrogenate benzene into cyclohexane, consists of four sections - hydrogen cleaning, reactor, reactor product separator, and fractionation - that work together to remove impurities from the hydrogen stream, convert benzene into cyclohexane, and further refine the cyclohexane before sending it to storage.

The Cumene Process alkylates benzene, producing essentially pure isopropyl benzene, used primarily for the production of phenol and acetone. The BTX Unit extracts the valuable aromatics from the aromatic-rich platformate. The purpose of the Aromatics Disproportionation (ADP) Unit is to convert toluene into more desirable products such as xylene and benzene. The purpose of the MTBE Unit is to generate a methyl-tertiary-butyl-ether (MTBE) product through the condensation of isobutylene from refinery olefin streams with methanol. The ether product allows the blending of gasoline meeting the oxygenate requirements set fourth in the 1990 Clean Air Act Amendments. The Molecular Sieve Dehydrator Unit is utilized to reduce the water content of Alkylate feed stream to less than 10 mole ppm.

The purpose of the C4 Selective Hydrogenation Process (C4SHP) is to improve the quality of the mixed C4 olefin stream that is used as Alkylation Unit feedstock. This is primarily achieved by removing the tar forming diolefins by catalytic saturation with hydrogen to form mono-olefins and saturates. Additional quality improvement is realized through the isomerization of 1-butylene to 2-butylene, resulting in increased alkylate octane. The C4SHP effluent is stripped to remove the light ends that accompany the make-up hydrogen and oxygenate contaminants from the upstream MTBE production unit before entering the Mole Sieve Unit for further treatment.

In the HF Alkylation Unit, olefins from the FCC, the West Plant Coker, and the MTBE units are combined with recycle isobutane to form alkylate. A secondary function of the unit is the separation and production of normal butane and propane.

The primary purpose of the Merox units is to convert "sour" smelling sulfur compounds (mercaptans) found in some gaseous and liquid petroleum sources to odorless "sweet" sulfur compounds. This is done by reacting two mercaptan compounds together in a solution of sodium hydroxide with catalyst to form a disulfide compound. In the sweetening version of the process, the charge stock is mixed with air and a solution of Merox catalyst, and the soluble disulfides keep the sulfur content of the charge constant. Another version of the Merox process, the extractive version, actually removes most of the sulfur while converting it to disulfides. The facility includes two sweetening units and three of the extractive variety.

The C3/C4 Splitter unit utilizes two distillation columns to separate a mixture of propylene and butylene, and the Fuel Gas Treating (Amine) Unit is used to remove sulfur-containing compounds from off-gases.

The No. 2 Fluid Catalytic Cracking Unit (FCCU) catalytically cracks the relatively heavy feed into lighter components, which are subsequently processed in the Gas Concentration unit or other refinery units. The bulk of the unit's products are blended into gasoline and heating oils or charged to other units for further processing.

The Gas Concentration unit consists of a primary absorber, sponge absorber, stripper, debutanizer, and depentanizer to separate the main column overhead product into LPG and gasoline streams.

The Saturates Gas Plant is a five-tower system of absorption followed by fractionation, designed to maximize the recovery of propane and heavier hydrocarbons from fuel gas while making separations in the following order: debutanizer, depropanizer, and depentanizer.

The Sulfur Recovery Unit converts sulfur-containing gases to elemental sulfur in an integrated process employing four units. The Sour Water Stripper is used to strip sulfur and ammonia-containing compounds from “sour water” produced by various hydrocarbon processing units. The Fuel Gas Treating (Amine) Unit is used to remove sulfur-containing compounds from off-gases produced by various hydrocarbon processing units. The Claus Sulfur Recovery unit converts H_2S into elemental sulfur by means of thermal and catalytic reactions. The SCOT Tail Gas Treating unit is used to reconvert Claus reaction tail gas into H_2S for the reintroduction to the Claus sulfur recovery process.

Refinery process wastewater is treated in three basic stages. In Primary Wastewater Treatment, oil and other suspended contaminants are gravity-separated from the process water in the Oil/water Corrugated Plate Interceptor Separator. Recovered oil is re-processed in the refinery, and the clarified water is sent to the intermediate treatment phase.

Intermediate Treatment takes place in the Dissolved Air Floatation Unit, where the recycle stream is super-saturated with dissolved air, then released to the floatation unit at atmospheric pressure, and surrounded by minute bubbles that carry the suspended particles to the surface, where they’re removed by a skimming mechanism.

In Secondary Treatment, organic waste is further treated by biological activity in the aerated basins. Microorganisms convert the organic waste to end products such as carbon dioxide, water, and methane, and the clarified water is released into the Corpus Christi Inner Harbor waterway.

FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: 03542

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

| | |
|------------------|--|
| Major Pollutants | VOC, SO_2 , PM, NO_x , HAPS, CO, H_2SO_4 |
|------------------|--|

Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions

- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
 - Additional Monitoring Requirements
 - New Source Review Authorization Requirements
 - Compliance Requirements
 - Protection of Stratosphere Ozone
 - Permit Location
 - Permit Shield (30 TAC § 122.148)
- Attachments
 - Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - Additional Monitoring Requirements
 - Permit Shield
 - New Source Review Authorization References
 - Compliance Plan
 - Alternative Requirements
- Appendix A
 - Acronym list
- Appendix B
 - Copies of major NSR authorizations

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995,

that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A. for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

| Regulatory Program | Applicability (Yes/No) |
|---|-----------------------------------|
| Prevention of Significant Deterioration (PSD) | Yes |
| Nonattainment New Source Review (NNSR) | No |
| Minor NSR | Yes |
| 40 CFR Part 60 - New Source Performance Standards | Yes |
| 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs) | Yes |
| 40 CFR Part 63 - NESHAPs for Source Categories | Yes |
| Title IV (Acid Rain) of the Clean Air Act (CAA) | No |
| Title V (Federal Operating Permits) of the CAA | Yes |
| Title VI (Stratospheric Ozone Protection) of the CAA | Yes |

| | |
|----------------------------------|----|
| CAIR (Clean Air Interstate Rule) | No |
|----------------------------------|----|

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.

19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|---|---------------------------------|
| 065-P-35 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1 | Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. | None |
| 065-P-36 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1 | Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. | None |
| 065-P-37 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1 | Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. | None |
| 065-P-38 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1 | Brake HP = Stationary RICE with a brake HP greater than 500 HP. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. | None |
| 11-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 11-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 14-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 14-H1 | 40 CFR Part 60, Subpart Dc | 60DC-BOIL3 | Construction/Modification Date = On or before June 9, 1989. | None |
| 14-H1 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 17-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-02 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 17-INC | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 17-V30 | 40 CFR Part 60, Subpart NNN | 60NNN-02 | Subpart NNN Chemicals = The distillation unit does not produce any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate. | None |
| 18-E22 | 40 CFR Part 60, Subpart NNN | 60NNN-02 | Subpart NNN Chemicals = The distillation unit does not produce any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|--|--------------|--|---------------------------------|
| 18-E22 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | R5115D-01 | Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate control requirement for demonstrating and documenting compliance or no such alternate has been requested. Weight of VOC Emitted = Combined weight of VOC is 100 pounds (45.4 kg) or less in any consecutive 24-hour period. | None |
| 18-HOTWELL | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | R5115D-01 | Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate control requirement for demonstrating and documenting compliance or no such alternate has been requested. Weight of VOC Emitted = Combined weight of VOC is 100 pounds (45.4 kg) or less in any consecutive 24-hour period. | None |
| 19-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-02 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 19-H1 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 19-H1 | 40 CFR Part 60, Subpart J | 60J-FUEL02 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 19-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-02 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 19-H2 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 19-H2 | 40 CFR Part 60, Subpart J | 60J-FUEL02 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 19-V28 | 40 CFR Part 60, Subpart NNN | 60NNN-03 | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate. Construction/Modification Date = On or before December 30, 1983. | None |
| 204-U942 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 204-U942 | 40 CFR Part 60, Subpart GGG | 60GGG-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN VOC SERVICE SUBJECT TO NSPS GGG WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 207-H-1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 21-H1A | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 21-H1B | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 23-TK0002A | 30 TAC Chapter 115, Storage of VOCs | <blank> | Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | None |
| 23-TK0002A | 40 CFR Part 63, Subpart CC | 63CC-TK01 | Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 2 vessel. Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit. | None |
| 28-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 28-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 29-H1 C&D | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 29-H1A | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 29-H1A | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 29-H1A | 40 CFR Part 60, Subpart J | 60J-FUEL02 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 29-H1B | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 29-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|---|---|
| 29-H2 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 29-H2 | 40 CFR Part 60, Subpart J | 60J-FUEL02 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 29-H3 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 29-TK0105 | 40 CFR Part 63, Subpart EEEE | <blank> | Product Stored = Organic HAP containing liquid other than crude oil. | None |
| 31-FCCU2 | 40 CFR Part 60, Subpart J | 60J-FCCU | Fluid Catalytic Cracking unit | Requirements added due to consent decree H-040-3883 |
| 31-FCCU2 | 40 CFR Part 63, Subpart UUU | 63UUU-1 | CCU CO Emission Limitation = CCU subject to the NSPS for CO in 40 CFR § 60.103 or electing to comply with the NSPS requirements (Option 1). CCU PM/Opacity Emission Limitation = CCU subject to the NSPS for PM in 40 CFR §60.102 - PM emissions not to exceed 1.0 kg/1,000 kg of coke burn-off in the catalyst regenerator and opacity of emissions not to exceed 30%, except for one 6-minute avg. opacity reading in any 1-hour period. CCU PM Control Device = Electrostatic Precipitator serving CCU over 20,000 barrels/day fresh feed capacity. CCU CO Monitoring Method = Continuous Emissions Monitoring System for measuring CO concentration. CCU PM Monitoring Method = Continuous Opacity Monitoring System. CCU Bypass Line = No bypass line serving the catalytic cracking unit. Alternate Method for Measuring Gas Flow Rate = Not using an alternate method for measuring gas flow rate as listed in §63.1573(a)(1). | None |
| 31-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 31-PR-1 | 30 TAC Chapter 111, Visible Emissions | 111-VENT02 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C). Total Feed Capacity = Total feed capacity is greater than 20,000 barrels per day. Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|--|--------------|--|---|
| 38-FCCU1 | 40 CFR Part 60, Subpart J | 60J-FCCU | Fluid Catalytic cracking unit | Requirements added due to consent decree H-04-03883 |
| 38-FCCU1 | 40 CFR Part 63, Subpart UUU | 63UUU-2 | <p>CCU CO Emission Limitation = CCU subject to the NSPS for CO in 40 CFR § 60.103 or electing to comply with the NSPS requirements (Option 1).</p> <p>CCU PM/Opacity Emission Limitation = CCU subject to the NSPS for PM in 40 CFR §60.102 - PM emissions not to exceed 1.0 kg/1,000 kg of coke burn-off in the catalyst regenerator and opacity of emissions not to exceed 30%, except for one 6-minute avg. opacity reading in any 1-hour period.</p> <p>CCU PM Control Device = No PM control device.</p> <p>CCU CO Monitoring Method = Continuous Emissions Monitoring System for measuring CO concentration.</p> <p>CCU PM Monitoring Method = Continuous Opacity Monitoring System.</p> <p>CCU Bypass Line = No bypass line serving the catalytic cracking unit.</p> <p>Alternate Method for Measuring Gas Flow Rate = Not using an alternate method for measuring gas flow rate as listed in §63.1573(a)(1).</p> | None |
| 38-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 38-H2 | 40 CFR Part 60, Subpart J | 60J-FUEL03 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = On or before June 11, 1973.</p> | None |
| 41-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-02 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 41-H2 | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-02 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 41-U41 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 41-U41 | 40 CFR Part 60, Subpart GGGa | 60GGGa-1 | <p>Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006.</p> <p>Equipment Components = Components are present.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|---|---------------------------------|
| 41-U41 | 40 CFR Part 63, Subpart CC | 63CCVV-1 | <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = NO</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>AMEL = NO</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p> | None |
| 41-U41 | 40 CFR Part 63, Subpart CC | 63CCVV-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES | None |
| 44-V10 | 30 TAC Chapter 115, Vent Gas Controls | R5VT-1 | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream emissions of the specified classes of VOCs including aldehydes, alcohols, aromatics, ethers, olefins, peroxides, amines, acids, esters, ketones, sulfides, and branched chain hydrocarbons (C8 and above).</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is less than 30,000 ppmv.</p> | None |
| 47-TK0103 | 30 TAC Chapter 115, Storage of VOCs | 115-1 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|--|--------------|---|---------------------------------|
| 47-U47 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 47-U47 | 40 CFR Part 60, Subpart GGG | 60GGG-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN VOC SERVICE SUBJECT TO NSPS GGG WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 51-F413A | 30 TAC Chapter 111, Visible Emissions | 111-F1 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used only under emergency or upset conditions. | None |
| 51-F413A | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18. | None |
| 51-F413A | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63. | None |
| 51-TK0001 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 2 vessel. Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit. | None |
| 52-U52AMNE | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|--|--------------|--|---------------------------------|
| 52-U52AMNE | 40 CFR Part 63, Subpart CC | 63CCVV-1 | <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = NO</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>AMEL = NO</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p> | None |
| 52-U52AMNE | 40 CFR Part 63, Subpart CC | 63CCVV-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES | None |
| 52-U52SRU | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 53-U53 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> | None |
| 54-F414A | 30 TAC Chapter 111, Visible Emissions | 111-F1 | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used only under emergency or upset conditions.</p> | None |
| 54-F414A | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18. | None |
| 54-F414A | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|--|--------------|---|---------------------------------|
| 54-TK3 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 54-TK3 | 40 CFR Part 60, Subpart Kb | 60KB-TK11 | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p> | None |
| 54-TK3 | 40 CFR Part 60, Subpart QQQ | 60QQQ-TK1 | <p>Construction/Modification Date = After May 4, 1987</p> <p>Alternate Means of Emission Limitation = The EPA Administrator has not approved an alternate means of emission limitation.</p> <p>Alternative Standard = The storage vessel, slop oil tank, or auxiliary tank is not equipped with a floating roof.</p> <p>Subject to 40 CFR Part 60, Subpart K, Ka or Kb = Yes</p> | None |
| 56-U56 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> | None |
| 57-D7 | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD22 | Chapter 115 Facility Type = Marine terminal | None |
| 57-D7 | 40 CFR Part 61, Subpart BB | 61BB-LOAD2 | Negative Applicability = The loading rack loads only benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant. | None |
| 57-D7 | 40 CFR Part 63, Subpart CC | 63Y-LOAD01 | <p>Specified in 63.640(g)(1)-(6) = The gasoline loading rack or marine vessel loading operation is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The gasoline loading rack or marine vessel loading operation is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Unit Type = Marine vessel loading operation at a petroleum refinery meeting the applicability criteria of 40 CFR § 63.560.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|------------------------------|--------------|--|---------------------------------|
| 57-D7 | 40 CFR Part 63, Subpart Y | 63Y-LOAD01 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Ballasting operations are the only operations performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is less than 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions of 10 or 25 tons.</p> <p>Throughput = Source with throughput of 10 M barrels or 200 M barrels.</p> | None |
| 57-D7 | 40 CFR Part 63, Subpart Y | 63Y-LOAD02 | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is less than 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|---------------------------|--------------|---|---------------------------------|
| 57-D7 | 40 CFR Part 63, Subpart Y | 63Y-LOAD03 | <p>CEMS = Continuous emissions monitoring system (CEMS) is not being used.</p> <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Balancing System = Emissions are not reduced by a vapor balancing system.</p> <p>Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Subpart Y Control Device Type = Combustion device other than flare or boiler.</p> <p>Material Loaded = Gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Performance Test = Baseline temperature from performance test.</p> <p>Alternate Monitoring = Complying with the control device specific monitoring procedures in 40 CFR § 63.564.</p> <p>Source Emissions = Source with emissions of 10 or 25 tons.</p> <p>Alternate Test Procedure = Electing to comply with the alternate test procedures in 40 CFR § 63.565(m).</p> <p>Throughput = Source with throughput of 10 M barrels or 200 M barrels.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|--|--------------|---|---------------------------------|
| 57-D7 | 40 CFR Part 63, Subpart Y | 63Y-LOAD04 | <p>CEMS = Continuous emissions monitoring system (CEMS) is not being used.</p> <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Balancing System = Emissions are not reduced by a vapor balancing system.</p> <p>Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Subpart Y Control Device Type = Combustion device other than flare or boiler.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Performance Test = Baseline temperature from performance test.</p> <p>Alternate Monitoring = Complying with the control device specific monitoring procedures in 40 CFR § 63.564.</p> <p>Source Emissions = Source with emissions of 10 or 25 tons.</p> <p>Alternate Test Procedure = Electing to comply with the alternate test procedures in 40 CFR § 63.565(m).</p> | None |
| 57-UD1 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 57-UD1 | 40 CFR Part 61, Subpart J | 61J-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN BENZENE SERVICE SUBJECT TO NESHAPS J WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 57-UD1 | 40 CFR Part 61, Subpart V | 61V-ALL | SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in benzene service subject to 40 CFR Part 61, Subpart V with no alternate control or control device. | None |
| 57-UD2 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 57-UDMEC | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|----------------------------|--------------|---|---------------------------------|
| 57-UDMEC | 40 CFR Part 60, Subpart VV | 60VV-ALL | SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart VV with no alternate control or control devices. | None |
| 57-VC2D7 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 61-B3E | 40 CFR Part 60, Subpart Db | 60DB-BOIL01 | <p>Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a NO_x emission limit that applies specifically when the byproduct/waste is combusted.</p> <p>Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.</p> <p>D-Series Fuel Type #1 = Byproduct/waste.</p> <p>Residual Oil Sampling = The residual oil is not sampled and analyzed for nitrogen content as specified in 40 CFR § 60.49b(e).</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Facility Type = The affected facility includes a fuel gas combustion device.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Monitoring Device = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device.</p> <p>NO_x Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Common Fuel Source = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices.</p> <p>SO₂ Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAAA.</p> <p>Subpart J = The affected facility meets applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|------------|--------------|--|---------------------------------|
| | | | <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p> | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|----------------------------|--------------|---|---------------------------------|
| 61-B3E | 40 CFR Part 60, Subpart Db | 60DB-BOIL02 | <p>Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Residual Oil Sampling = The residual oil is not sampled and analyzed for nitrogen content as specified in 40 CFR § 60.49b(e).</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> | None |
| 61-B3E | 40 CFR Part 60, Subpart Dc | 60DC-BOIL2 | <p>Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.</p> <p>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than 100 MMBtu/hr (29 MW).</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--|---------------------------------|
| 61-B3E | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-02 | Construction/Reconstruction Date = Construction or reconstruction began on or before June 4, 2010. | None |
| 61-B3E | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 64-TK0013 | 30 TAC Chapter 115, Storage of VOCs | 115TK-03 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | None |
| 73-FLR442 | 30 TAC Chapter 111, Visible Emissions | 111-FLARE02 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. | None |
| 73-FLR442 | 40 CFR Part 60, Subpart A | 60A-02 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | None |
| 73-FLR442 | 40 CFR Part 60, Subpart A | 60A-03 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec). Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|---|---------------------------------|
| 73-FLR442 | 40 CFR Part 60, Subpart A | 60A-04 | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p> | None |
| 73-FLR442 | 40 CFR Part 63, Subpart A | 63A-01 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p> | None |
| 73-FLR442 | 40 CFR Part 63, Subpart A | 63A-02 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> | None |
| 73-FLR442 | 40 CFR Part 63, Subpart A | 63A-03 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p> | None |
| 73-FLR442 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|---|---------------------------------|
| 73-FLR446 | 30 TAC Chapter 111, Visible Emissions | 111-FLARE02 | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p> <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> | None |
| 73-FLR446 | 40 CFR Part 60, Subpart A | 60A-02 | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p> | None |
| 73-FLR446 | 40 CFR Part 60, Subpart A | 60A-03 | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> | None |
| 73-FLR446 | 40 CFR Part 60, Subpart A | 60A-04 | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p> | None |
| 73-FLR446 | 40 CFR Part 63, Subpart A | 63A-01 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|---|---------------------------------|
| 73-FLR446 | 40 CFR Part 63, Subpart A | 63A-02 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> | None |
| 73-FLR446 | 40 CFR Part 63, Subpart A | 63A-03 | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p> | None |
| 73-FLR446 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> | None |
| 73-U73F | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|-------------------------------|--------------|---|---------------------------------|
| 73-U73F | 40 CFR Part 63, Subpart CC | 63CCVV-1 | ANY (INSTRUMENTATION SYSTEMS) = NO CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = NO ENCLOSED COMBUSTION DEVICES = NO EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = NO ANY (CLOSED-VENT SYSTEMS) = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES FLARE EQUIVALENT EMISSION LIMITATION = NO AMEL = NO FLARES = YES RECOVERY OR RECAPTURE DEVICES (CLOSED VENT SYSTEMS) = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES CLOSED VENT SYSTEM, BYPASS LINES = YES CLOSED VENT SYSTEM, UNSAFE TO INSPECT = YES CLOSED VENT SYSTEM, DIFFICULT TO INSPECT = YES | None |
| 73-U73F | 40 CFR Part 63, Subpart CC | 63CCVV-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES | None |
| 73-VC447 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 73-VC448 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 73-VC449 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|---|---------------------------------|
| 80-DSW | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 80-DSW | 40 CFR Part 60, Subpart VV | 60VV-ALL | SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart VV with no alternate control or control devices. | None |
| 80-DSW | 40 CFR Part 61, Subpart J | 61J-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN BENZENE SERVICE SUBJECT TO NESHAPS J WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 80-DSW | 40 CFR Part 61, Subpart V | 61V-ALL | SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in benzene service subject to 40 CFR Part 61, Subpart V with no alternate control or control device. | None |
| 82-CPI | 30 TAC Chapter 115, Water Separation | 115-CPI01 | Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator which separates materials having a TVP less than 1.5 psia (10.3 kPa) obtained from any equipment. | None |
| 82-CPI | 40 CFR Part 60, Subpart QQQ | 60QQQ-CPI1 | Construction/Modification Date = AFTER MAY 4, 1987 Control Device = Flare. Alternate Means of Emission Limitation = NO Alternative Monitoring = NO Alternative Standard = NO Capacity < 38 L/s = NO Capacity = DESIGN CAPACITY TO TREAT IS GREATER THAN 16 LITERS/SECOND (250 GAL/MIN) OF REFINERY WASTEWATER. | None |
| 82-FLR454 | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 82-TK0115 | 30 TAC Chapter 115, Storage of VOCs | 115TK-02 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|-------------------------------------|--------------|---|---------------------------------|
| 82-TK0116 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 82-TK0117 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 82-TK0605 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 82-TK0606 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 82-TK0607 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 82-TK0608 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 83-H1 | 40 CFR Part 63, Subpart DDDDD | 63DDDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 83-V105 | 40 CFR Part 60, Subpart NNN | 60NNN-03 | <p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Construction/Modification Date = On or before December 30, 1983.</p> | None |
| 851-TK0925 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 851-TK0925 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 851-TK0925 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 851-TK0926 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 851-TK0926 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 851-TK0926 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 851-TK0927 | 30 TAC Chapter 115, Storage of VOCs | 115TK-06 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 851-TK0927 | 40 CFR Part 60, Subpart Ka | 60KA-TK23 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 851-TK0927 | 40 CFR Part 63, Subpart G | 63G-1 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> | None |
| 851-TK0928 | 30 TAC Chapter 115, Storage of VOCs | 115TK-06 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 851-TK0928 | 40 CFR Part 60, Subpart Ka | 60KA-TK23 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 851-TK0928 | 40 CFR Part 63, Subpart G | 63G-1 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> | None |
| 851-TK0929 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 851-TK0929 | 40 CFR Part 63, Subpart G | 63G-03 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 851-TK0930 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 851-TK0930 | 40 CFR Part 63, Subpart G | 63G-03 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 851-TK1029 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 851-TK1029 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 851-TK1029 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | Existing Source = The storage vessel is at an existing source. Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa) Emission Control Type = Fixed roof and an internal floating roof Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641) Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111) | None |
| 851-TK1030 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 851-TK1030 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 851-TK1030 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 851-TK1031 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 851-TK1031 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 851-TK1031 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 851-TK1032 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 851-TK1032 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK0201 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0201 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0201 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0202 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0202 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0202 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0211 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0211 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0211 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0212 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0212 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0212 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0221 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0221 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0221 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0222 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0222 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0222 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0223 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0223 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0223 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0224 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 852-TK0224 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0224 | 40 CFR Part 63, Subpart G | 63G-1 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 852-TK0225 | 30 TAC Chapter 115, Storage of VOCs | 115TK-06 | <p>Construction Date = On or after May 12, 1973</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0225 | 40 CFR Part 60, Subpart Ka | 60KA-TK23 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 852-TK0225 | 40 CFR Part 63, Subpart G | 63G-1 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 852-TK0226 | 30 TAC Chapter 115, Storage of VOCs | 115TK-06 | <p>Construction Date = On or after May 12, 1973</p> <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0226 | 40 CFR Part 60, Subpart Ka | 60KA-TK23 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 852-TK0226 | 40 CFR Part 63, Subpart G | 63G-1 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> | None |
| 852-TK0301 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0301 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0302 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0302 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0302 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0401 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0401 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0401 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0402 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK0402 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0403 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK0403 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK0403 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK0620 | 40 CFR Part 60, Subpart K | 60K-TK02 | <p>Construction/Modification Date = After June 11, 1973 And on or before March 8, 1974</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|--|---------------------------------|
| 852-TK0620 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK0621 | 40 CFR Part 60, Subpart K | 60K-TK02 | <p>Construction/Modification Date = After June 11, 1973 And on or before March 8, 1974</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p> | None |
| 852-TK0621 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK0804 | 40 CFR Part 60, Subpart Kb | 60KB-TK11 | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p> | None |
| 852-TK0804 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|---|---|
| 852-TK0804 | 40 CFR Part 63, Subpart G | 63G-WWTK11 | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Meets 40 CFR 63.139(d) = The tank does not meet the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Monitoring/Testing § 63.143(g) was deleted as monitors are not required to be installed for internal floating roof tanks</p> <p>Deleted Reporting § 63.152(c)(3), 63.152(c)(3)(i), and 63.152(c)(3)(ii) as performance tests are not required for internal floating roof tanks</p> |
| 852-TK1001 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1002 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK1002 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1003 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 852-TK1003 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1009 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK1009 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK1010 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 852-TK1015 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK1015 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1016 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK1016 | 40 CFR Part 60, Subpart Kb | 60KB-TK12 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p> | None |
| 852-TK1016 | 40 CFR Part 63, Subpart CC | 63CC-TK02 | <p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 4.0 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|---|---------------------------------|
| 852-TK1016 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 4.0 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 852-TK1017 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1018 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 852-TK1019 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1020 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 852-TK1020 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 852-TK1028 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 852-TK1028 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 853-TK2001 | 30 TAC Chapter 115, Storage of VOCs | 115-TK21 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = Crude oil and/or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 853-TK2001 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK2002 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 853-TK2002 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 853-TK2002 | 30 TAC Chapter 115, Storage of VOCs | 115TK-21 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = Crude oil and/or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|---|---------------------------------|
| 853-TK2002 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 853-TK2002 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK2002 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 853-TK2003 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|--|---------------------------------|
| 853-TK2003 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK2005 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 853-TK2005 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK2006 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 853-TK2006 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK3101 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 853-TK3101 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 853-TK3102 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 853-TK3102 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 854-TK0001 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | |
| 854-TK0001 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0001 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0001 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 854-TK0001 | 40 CFR Part 63, Subpart G | 63G-03 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0002 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0002 | 40 CFR Part 60, Subpart K | 60K | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0002 | 40 CFR Part 63, Subpart G | 63G-TK12 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0003 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0003 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0003 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0003 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 854-TK0003 | 40 CFR Part 63, Subpart G | 63G-03 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0004 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0004 | 40 CFR Part 63, Subpart G | 63G-TK11 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0005 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0005 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0005 | 30 TAC Chapter 115, Storage of VOCs | 115TK-10 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|---|---------------------------------|
| 854-TK0005 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0005 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 854-TK0005 | 40 CFR Part 63, Subpart G | 63G-01 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0005 | 40 CFR Part 63, Subpart G | 63G-02 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0011 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|--|---------------------------------|
| 854-TK0012 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 854-TK0013 | 40 CFR Part 63, Subpart G | 63G-TK11 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0014 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0014 | 40 CFR Part 63, Subpart G | 63G-01 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0020 | 40 CFR Part 63, Subpart G | 63G-TK01 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0020 | 40 CFR Part 63, Subpart G | 63G-TK11 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0021 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0021 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 854-TK0021 | 40 CFR Part 63, Subpart G | 63G-TK12 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---|
| 854-TK0021 | 40 CFR Part 63, Subpart G | 63G-WWTK11 | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Meets 40 CFR 63.139(d) = The tank does not meet the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Monitoring/Testing § 63.143(g) was deleted as monitors are not required to be installed for internal floating roof tanks</p> <p>Deleted Reporting § 63.152(c)(3), 63.152(c)(3)(i), and 63.152(c)(3)(ii) as performance tests are not required for internal floating roof tanks</p> |
| 854-TK0022 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0022 | 40 CFR Part 61, Subpart FF | 61FF-WWTK1 | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> | None |
| 854-TK0022 | 40 CFR Part 63, Subpart G | 63G-TK12 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---|
| 854-TK0022 | 40 CFR Part 63, Subpart G | 63G-WWTK11 | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Meets 40 CFR 63.139(d) = The tank does not meet the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Monitoring/Testing § 63.143(g) was deleted as monitors are not required to be installed for internal floating roof tanks</p> <p>Deleted Reporting § 63.152(c)(3), 63.152(c)(3)(i), and 63.152(c)(3)(ii) as performance tests are not required for internal floating roof tanks</p> |
| 854-TK0033 | 30 TAC Chapter 115, Storage of VOCs | 115-1 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0033 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0033 | 40 CFR Part 63, Subpart G | 63G-TK12 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0034 | 30 TAC Chapter 115, Storage of VOCs | 115-1 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0034 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0034 | 40 CFR Part 63, Subpart G | 63G-TK12 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> | None |
| 854-TK0040 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0040 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0040 | 40 CFR Part 63, Subpart G | 63G-TK01 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0041 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 854-TK0041 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0041 | 40 CFR Part 63, Subpart G | 63G-TK01 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0042 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0042 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0042 | 40 CFR Part 63, Subpart G | 63G-TK01 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0043 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0043 | 40 CFR Part 63, Subpart G | 63G-03 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0044 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0044 | 40 CFR Part 63, Subpart G | 63G-03 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 854-TK0045 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0045 | 40 CFR Part 63, Subpart G | 63G-03 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 854-TK0050 | 40 CFR Part 63, Subpart G | 63G-TK01 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 854-TK0055 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 854-TK0055 | 40 CFR Part 61, Subpart FF | 61FF-WWTK2 | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351. Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1) Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the vessel and the edge of the internal floating roof. Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---|
| 854-TK0055 | 40 CFR Part 63, Subpart G | 63G-WWTK11 | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Meets 40 CFR 63.139(d) = The tank does not meet the criteria of 40 CFR § 63.149(d) or the criteria in 40 CFR § 63.149(e)(2).</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Monitoring/Testing § 63.143(g) was deleted as monitors are not required to be installed for internal floating roof tanks</p> <p>Deleted Reporting § 63.152(c)(3), 63.152(c)(3)(i), and 63.152(c)(3)(ii) as performance tests are not required for internal floating roof tanks</p> |
| 854-TK0056 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0056 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0056 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0056 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0056 | 40 CFR Part 63, Subpart G | 63G-02 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 854-TK0057 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0057 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 854-TK0060 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 854-TK0061 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 854-TK0062 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 854-TK0081 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0081 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | |
| 854-TK0082 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0082 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0082 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 854-TK0083 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0083 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 854-TK0083 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 854-TK0091 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0091 | 40 CFR Part 60, Subpart Ka | 60KA-TK11 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating-type cover</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 854-TK0092 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 854-TK0092 | 40 CFR Part 60, Subpart Ka | 60KA-TK11 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating-type cover</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 854-TK0093 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 854-TK0093 | 40 CFR Part 60, Subpart Ka | 60KA-TK11 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia Storage Vessel Description = Fixed roof with an internal floating-type cover Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized | None |
| 855-TK1018 | 40 CFR Part 60, Subpart K | 60K | Construction/Modification Date = On or before June 11, 1973 | None |
| 855-TK1018 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 2 vessel. Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit. | None |
| 855-TK1019 | 40 CFR Part 60, Subpart K | 60K | Construction/Modification Date = On or before June 11, 1973 | None |
| 855-TK1019 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 2 vessel. Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit. | None |
| 855-TK1022 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 855-TK1022 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 855-TK1022 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 855-TK1022 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 855-TK1023 | 30 TAC Chapter 115, Storage of VOCs | 115TK-04 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 855-TK1023 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 855-TK1023 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 855-TK1023 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 855-TK1024 | 30 TAC Chapter 115, Storage of VOCs | 115TK-05 | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 855-TK1024 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|---|---------------------------------|
| 855-TK1024 | 40 CFR Part 63, Subpart CC | 63CC-TK11 | <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> | None |
| 855-TK1025 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 855-TK1025 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| 855-TK1026 | 40 CFR Part 60, Subpart K | 60K-TK01 | Construction/Modification Date = On or before June 11, 1973 | None |
| 855-TK1026 | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| 855-TK1027 | 30 TAC Chapter 115, Storage of VOCs | 115TK-22 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |
| 855-TK1027 | 40 CFR Part 60, Subpart Ka | 60KA-TK22 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> | None |
| 855-TK1027 | 40 CFR Part 63, Subpart G | 63G-TK22 | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> | None |
| 855-TK1040 | 40 CFR Part 63, Subpart G | 63G-03 | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p> | None |
| 855-TK1041 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|---|---------------------------------|
| 855-TK1041 | 40 CFR Part 60, Subpart Ka | 60KA-TK22 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) True Vapor Pressure = TVP is less than 1.5 psia Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia | None |
| 855-TK1041 | 40 CFR Part 63, Subpart G | 63G-03 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 855-TK1042 | 30 TAC Chapter 115, Storage of VOCs | 115TK-06 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Welded tank using an external floating roof True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Primary Seal = Mechanical shoe Product Stored = VOC other than crude oil or condensate Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 855-TK1042 | 30 TAC Chapter 115, Storage of VOCs | 115TK-07 | Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons | None |
| 855-TK1042 | 40 CFR Part 60, Subpart Ka | 60KA-TK23 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) True Vapor Pressure = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia Storage Vessel Description = Pontoon-type or double-deck-type external floating roof (EFR) with mechanical shoe primary seal Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|--|--------------|---|--|
| 855-TK1042 | 40 CFR Part 63, Subpart G | 63G-1 | MACT Subpart F/G Applicability = The unit is a Group 2 vessel. NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y. NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb. | None |
| 89-U89 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| 90-UD3 | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD22 | Chapter 115 Facility Type = Marine terminal | None |
| 911-H | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-01 | CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. | None |
| 911-H | 40 CFR Part 60, Subpart Dc | 60DC-BOIL3 | Construction/Modification Date = On or before June 9, 1989. | None |
| 911-H | 40 CFR Part 60, Subpart J | 60J-FUEL01 | Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b). Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007. | None |
| 97-D3FUG | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | | None |
| DEAUNLOAD | 40 CFR Part 63, Subpart EEEE | 63EEEE | Existing Source = Source is an existing source Transfer Operation = Transfer rack only unloads organic liquids Transfer Volume = Less than 800,000 gallons of organic containing liquids are transferred by the organic loading distribution facility annually. Weight Percent HAP = Liquids transferred contain 98 percent by weight or greater HAP | None |
| DIESELLOAD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD02 | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is less than 1.5 psia. | -- Affected Pollutant - VOC: Deleted Related Standard § 115.214(b)(1)(D) and 115.214(b)(1)(D)(i) as these exemptions for fumes from hatches or vents do not apply to this loading operation |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|---------------|---|---------------------------------|
| ENGVENT01 | 30 TAC Chapter 111, Visible Emissions | 111-ENGVENT01 | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p> | None |
| F066 | 30 TAC Chapter 111, Visible Emissions | 111-VENT03 | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).</p> <p>Total Feed Capacity = Total feed capacity is less than or equal to 20,000 barrels per day.</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p> | None |
| F416 | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| F416 | 40 CFR Part 60, Subpart GGG | 60GGG-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN VOC SERVICE SUBJECT TO NSPS GGG WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| FUG-FGRS | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| FUG-FGRS | 40 CFR Part 63, Subpart CC | 63CCVV-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES | None |
| FUG-GHT | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---------|---------------------------------|--------------|--|---------------------------------|
| FUG-GHT | 40 CFR Part 60, Subpart GGG | 60GGG-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN VOC SERVICE SUBJECT TO NSPS GGG WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| FUG-GHT | 40 CFR Part 60, Subpart GGGa | 60GGGa-1 | Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present. | None |
| FUG-GHT | 40 CFR Part 63, Subpart CC | 63CCVV-2 | COMPRESSOR IN HYDROGEN SERVICE = YES EXISTING SOURCE = YES OPEN-ENDED VALVES OR LINES = NO PRESSURE RELIEF DEVICE IN GAS/VAPOR SERVICE = NO PRESSURE RELIEF DEVICE IN HEAVY LIQUID SERVICE = NO VACUUM SERVICE = YES VALVES IN HEAVY LIQUID SERVICE = YES COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES PUMP IN LIGHT LIQUID SERVICE = YES VALVES IN HEAVY LIQUID SERVICE EQUIVALENT EMISSION LIMITATION = NO AMEL = NO COMPRESSOR EQUIVALENT EMISSION LIMITATION = NO PUMP EQUIVALENT EMISSION LIMITATION = NO VALVES IN HEAVY LIQUID SERVICE COMPLYING WITH § 60.482-8 = YES COMPRESSOR COMPLYING WITH § 60.482-3 = YES FLANGES AND OTHER CONNECTORS = YES PUMP COMPLYING WITH § 60.482-2 = YES SAMPLING CONNECTION SYSTEMS = YES VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE = YES FLANGES AND OTHER CONNECTORS EQUIVALENT EMISSION LIMITATION = NO PUMP IN HEAVY LIQUID SERVICE = YES SAMPLING CONNECTION SYSTEM EQUIVALENT EMISSION LIMITATION = NO VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE EQUIVALENT EMISSION LIMITATION = NO PUMP EQUIVALENT EMISSION LIMITATION = NO FLANGES AND OTHER CONNECTORS COMPLYING WITH § 60.482-8 = YES SAMPLING CONNECTION SYSTEMS COMPLYING WITH § 60.482-5 = YES VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE COMPLYING WITH § 60.482-7 = YES PUMP COMPLYING WITH § 60.482-8 = YES | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|--|---------------------------------|
| GASUNLOAD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD01 | Chapter 115 Facility Type = Motor vehicle fuel dispensing facility | None |
| GRP1CT | 40 CFR Part 63, Subpart Q | 63Q-CT01 | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | None |
| GRP1DOCK | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD22 | Chapter 115 Facility Type = Marine terminal | None |
| GRP1DOCK | 40 CFR Part 61, Subpart BB | 61BB-LOAD2 | Negative Applicability = The loading rack loads only benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant. | None |
| GRP1DOCK | 40 CFR Part 63, Subpart CC | 63CC-LOAD2 | Specified in 63.640(g)(1)-(6) = The gasoline loading rack or marine vessel loading operation is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63, Subparts F, G, H or I = The gasoline loading rack or marine vessel loading operation is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Unit Type = Marine vessel loading operation at a petroleum refinery meeting the applicability criteria of 40 CFR § 63.560. | None |
| GRP1DOCK | 40 CFR Part 63, Subpart Y | 63Y-LOAD01 | Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore). Ballasting Operations = Ballasting operations are the only operations performed at the facility. | None |
| GRP1DOCK | 40 CFR Part 63, Subpart Y | 63Y-LOAD02 | Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore). Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility. Vapor Pressure = Vapor pressure is less than 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|---------------------------|--------------|---|---|
| GRP1DOCK | 40 CFR Part 63, Subpart Y | 63Y-LOAD03 | <p>CEMS = Continuous emissions monitoring system (CEMS) is not being used.</p> <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Balancing System = Emissions are not reduced by a vapor balancing system.</p> <p>Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Subpart Y Control Device Type = Combustion device other than flare or boiler.</p> <p>Material Loaded = Gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Performance Test = Baseline temperature from performance test.</p> <p>Alternate Monitoring = Complying with the control device specific monitoring procedures in 40 CFR § 63.564.</p> <p>Source Emissions = Source with emissions of 10 or 25 tons.</p> <p>Alternate Test Procedure = Electing to comply with the alternate test procedures in 40 CFR § 63.565(m).</p> <p>Throughput = Source with throughput of 10 M barrels or 200 M barrels.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Recordkeeping [G]§ 63.567(g) as there is no valves in the vapor collection system that can divert emissions away from the control device</p> <p>-- Affected Pollutant - VOC:</p> <p>Deleted Monitoring/Testing § 63.564(a)(5) which is a CEMS requirement. A CEMS is not being used.</p> <p>Deleted Recordkeeping [G]§ 63.567(g) as there is no valves in the vapor collection system that can divert emissions away from the control device</p> <p>Deleted Reporting § 63.564(a)(5) which is a CEMS requirement. A CEMS is not being used.</p> <p>Deleted Reporting [G]§ 63.567(b)(2) and § 63.567(b)(3) as the facility is complying with the alternative reporting requirements of § 63.567(b)(5)(ii)</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|---------------------------|--------------|---|---|
| GRP1DOCK | 40 CFR Part 63, Subpart Y | 63Y-LOAD04 | <p>CEMS = Continuous emissions monitoring system (CEMS) is not being used.</p> <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Balancing System = Emissions are not reduced by a vapor balancing system.</p> <p>Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Subpart Y Control Device Type = Combustion device other than flare or boiler.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Performance Test = Baseline temperature from performance test.</p> <p>Alternate Monitoring = Complying with the control device specific monitoring procedures in 40 CFR § 63.564.</p> <p>Source Emissions = Source with emissions of 10 or 25 tons.</p> <p>Alternate Test Procedure = Electing to comply with the alternate test procedures in 40 CFR § 63.565(m).</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Deleted Recordkeeping [G]§ 63.567(g) as there is no valves in the vapor collection system that can divert emissions away from the control device</p> |
| GRP1HTR | 40 CFR Part 60, Subpart J | 60J-FUEL01 | <p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|---|---------------------------------|
| GRP1PRO | 40 CFR Part 63, Subpart F | 63F-PRO01 | <p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Table 9 HAP Content = The once-through heat exchange system is used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> <p>Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.</p> <p>Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> | None |
| GRP1STACK | 30 TAC Chapter 111, Visible Emissions | 111-VENT01 | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p> | None |
| GRP2DOCK | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD22 | Chapter 115 Facility Type = Marine terminal | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|--|--------------|---|---------------------------------|
| GRP2DOCK | 40 CFR Part 61, Subpart BB | 61BB-LOAD2 | Negative Applicability = The loading rack loads only benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant. | None |
| GRP2DOCK | 40 CFR Part 63, Subpart CC | 63CC-LOAD1 | Specified in 63.640(g)(1)-(6) = The gasoline loading rack or marine vessel loading operation is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63, Subparts F, G, H or I = The gasoline loading rack or marine vessel loading operation is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Unit Type = Gasoline loading rack not classified under Standard Industrial Classification code 2911 or marine vessel loading operation at a petroleum refinery not meeting the applicability criteria of 40 CFR § 63.560. | None |
| GRP2DOCK | 40 CFR Part 63, Subpart Y | 63Y-LOAD02 | Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore). Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility. Vapor Pressure = Vapor pressure is less than 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg. | None |
| GRP2FUG | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| GRP2FUG | 40 CFR Part 63, Subpart CC | 63CCVV-1 | CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = NO EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO AMEL = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES | None |
| GRP2FUG | 40 CFR Part 63, Subpart CC | 63CCVV-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|--|---------------------------------|
| GRP2STACK | 30 TAC Chapter 111, Visible Emissions | 111-VENT01 | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p> | None |
| GRP3FUG | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|--|---------------------------------|
| GRP3FUG | 40 CFR Part 63, Subpart H | 63H-1 | <p>ANY (CLOSED VENT SYSTEMS) = COMPONENT PRESENT</p> <p>BYPASS LINES = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEMS CONTAINING BY-PASS LINES THAT COULD DIVERT A VENT STREAM AWAY FROM THE CONTROL DEVICE AND TO THE ATMOSPHERE</p> <p>EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE</p> <p>NON RESEARCH AND DEVELOPMENT/BATCH PROCESSES = FUGITIVE UNIT CONTAINS PROCESSES OTHER THAN RESEARCH AND DEVELOPMENT FACILITIES AND BENCH-SCALE BATCH PROCESSES</p> <p>RECOVERY OR RECAPTURE DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT</p> <p>UNSAFE TO INSPECT = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEM WITH PARTS DESIGNATED AS UNSAFE TO INSPECT</p> <p>DIFFICULT TO INSPECT = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEM WITH PARTS DESIGNATED AS DIFFICULT TO INSPECT</p> <p>VACUUM SERVICE = NOT ALL OF THE EQUIPMENT IN THE FUGITIVE UNIT IS IN VACUUM SERVICE</p> <p>ENCLOSED COMBUSTION DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT</p> <p>LESS THAN 300 OPERATING HOURS = THE FUGITIVE UNIT DOES NOT CONTAIN ANY EQUIPMENT IN ORGANIC HAZARDOUS AIR POLLUTANT (HAP) SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR</p> <p>HEAVY LIQUID SERVICE = NONE OF THE EQUIPMENT IN ORGANIC HAP SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR IS IN HEAVY LIQUID SERVICE</p> <p>AMEL = FUGITIVE UNIT SOURCE OWNER/OPERATOR IS NOT ELECTING TO COMPLY WITH AN ALTERNATIVE MEANS OF EMISSION LIMITATION (AMEL)</p> <p>FLARES (CLOSED VENT SYSTEMS) = COMPONENT PRESENT</p> | None |
| GRP3FUG | 40 CFR Part 63, Subpart H | 63H-ALL | SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device. | None |
| GRP4FUG | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| GRP-CCVT3 | 40 CFR Part 60, Subpart NNN | 60NNN-02 | Subpart NNN Chemicals = The distillation unit does not produce any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate. | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|--|--------------|--|---------------------------------|
| GRPDEGRSR | 30 TAC Chapter 115, Degreasing Processes | 115-SOLV11 | <p>Solvent Degreasing Machine Type = Degreasing operations located on a property which, when uncontrolled, can emit a combined weight of VOC less than 550 pounds in any consecutive 24-hour period.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> | None |
| GRP-HONVT | 40 CFR Part 63, Subpart G | 63G-VENT01 | <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Flare</p> <p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p> | None |
| GRP-NNNVT1 | 40 CFR Part 60, Subpart NNN | 60NNN-01 | <p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>Construction/Modification Date = After December 30, 1983.</p> <p>TOC Reduction = Compliance is achieved through use of a flare or recovery device.</p> <p>Subpart NNN Control Device = Flare.</p> <p>Vent Type = Distillation unit not discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p> | None |
| GRP-R5VT2 | 40 CFR Part 60, Subpart NNN | 60NNN-03 | <p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Construction/Modification Date = On or before December 30, 1983.</p> | None |
| GRP-R5VT3 | 40 CFR Part 60, Subpart NNN | 60NNN-02 | <p>Subpart NNN Chemicals = The distillation unit does not produce any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| GRPVENDTKS | 30 TAC Chapter 115, Storage of VOCs | 115TK-01 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> | None |
| GRPVENDTKS | 30 TAC Chapter 115, Storage of VOCs | 115TK-02 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> | None |
| GRPVENDTKS | 30 TAC Chapter 115, Storage of VOCs | 115TK-03 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> | None |
| GRPVENDTKS | 30 TAC Chapter 115, Storage of VOCs | 115TK-31 | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = Other than crude oil, condensate, or VOC</p> | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-1 | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p> | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-10 | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters)</p> | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-11 | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------|--------------|---|---------------------------------|
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-12 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-13 | Product Stored = Stored product other than volatile organic liquid or petroleum liquid | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-2 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters) | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-4 | Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia | |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-5 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-6 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters) | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-7 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-8 | Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia | None |
| GRPVENDTKS | 40 CFR Part 60, Subpart Kb | 60Kb-9 | Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|------------------------------|--------------|--|---------------------------------|
| GRPVENDTKS | 40 CFR Part 63, Subpart CC | 63CC-TK01 | <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> | None |
| GRPVENDTKS | 40 CFR Part 63, Subpart CC | 63CC-TK03 | Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is part of a process specified in 40 CFR § 63.640(g)(1) - (6). | None |
| PCEUNLOAD | 40 CFR Part 63, Subpart EEEE | 63EEEE | <p>Existing Source = Source is an existing source</p> <p>Transfer Operation = Transfer rack only unloads organic liquids</p> <p>Transfer Volume = Ten million gallons or more of organic containing liquids are transferred by the organic loading distribution facility annually.</p> <p>Weight Percent HAP = Liquids transferred contain 25 percent by weight or greater HAP</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|-------------------------------|--------------|---|---------------------------------|
| PROBTXTRTR | 40 CFR Part 61, Subpart FF | 61FF-TRT01 | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Complying with § 61.342(e) = The facility is complying with 40 CFR § 61.342(e).</p> <p>Control Device Type/Operation = Thermal vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C.</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.</p> <p>Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|------------|---------------------------|--------------|--|--|
| PROBTXTRTR | 40 CFR Part 63, Subpart G | 63G-TRT01 | <p>Combustion Process = No combustion process is used for treatment.</p> <p>Compliance With 40 CFR § 63.139(c)(1) = The enclosed combustion device being used meets the 0.5 second residence time at 760 degrees C provisions specified in 40 CFR § 63.139(c)(1)(iii).</p> <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Fuel Gas System = The closed anaerobic biological treatment process is not vented through hard-piping to a fuel gas system.</p> <p>Series Design Evaluation = Compliance for the series of treatment processes is demonstrated using performance testing.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148.</p> <p>Performance Tests = Design evaluation is used to demonstrate that the control device or combination of control devices achieves the appropriate conditions.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Wastewater Stream Designation = Designated as Group 1 per 40 CFR § 63.132(e).</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Wastewater Stream Treatment = Percent mass removal/destruction option by reducing the mass flow rate by the 99 percent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> <p>Control Devices = Thermal vapor incinerator.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated by performance test.</p> | <p>-- Affected Pollutant - 112(B) HAPS:</p> <p>Added Monitoring/Testing § 63.148(g)(1) as an exemption for inspection of any part of the closed vent system that is determined to be unsafe to inspect</p> <p>Added Monitoring/Testing § 63.148(h)(1) was added as an exemption for inspection of any part of the closed vent system that is determined to be difficult to inspect</p> <p>Added Reporting § 63.146(b)(7), 63.146(b)(7)(ii), 63.146(b)(7)(ii)(A), 63.146(b)(7)(ii)(B) which are applicable reporting requirements for non-flare control devices</p> |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|-----------|--|--------------|---|---------------------------------|
| PROFDTRTR | 40 CFR Part 61, Subpart FF | 61FF-TRT02 | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Complying with § 61.342(e) = The facility is complying with 40 CFR § 61.342(e).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is not used.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> | None |
| PROEPSRU | 30 TAC Chapter 112, Sulfur Compounds | 112-SRU01 | <p>Sulfur Recovery Plant = The gas sweetening unit is using sulfur recovery.</p> <p>Stack Height = Effective stack height greater than or equal to the standard effective stack height.</p> | None |
| PROEPSRU | 40 CFR Part 60, Subpart J | 60J-SRU1 | Construction/Modification Date = After October 4, 1976 and on or before May 14, 2007. | None |
| PROEPSRU | 40 CFR Part 63, Subpart UUU | 63UUU-3 | <p>SRU Emission Limitation = Claus SRU part of sulfur recovery plant greater than or equal to 20 long tons/day using oxidation or reduction system followed by incineration subject to 250 ppmv SO₂ emission limit in §60.104(a)(2).</p> <p>SRU Monitoring Method = CEMS for monitoring reduced sulfur and O₂ concentrations.</p> <p>SRU Bypass Line = No bypass line serving the SRU.</p> | None |
| SCOTFUG | 30 TAC Chapter 115, Fugitives Pet Ref B Counties | R5322-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES VOC FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO CHAPTER 115 SUBCHAPTER D DIVISION 2 WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |
| SCOTFUG | 40 CFR Part 60, Subpart GGG | 60GGG-ALL | SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN VOC SERVICE SUBJECT TO NSPS GGG WITH NO ALTERNATE CONTROL OR CONTROL DEVICE | None |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|----------|--|--------------|--|---|
| SLDGLOAD | 30 TAC Chapter 115, Loading and Unloading of VOC | 115-LOAD02 | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia.</p> | <p>-- Affected Pollutant - VOC:</p> <p>Deleted Related Standard § 115.214(b)(1)(D) and 115.214(b)(1)(D)(i) as these exemptions for fumes from hatches or vents do not apply to this loading operation</p> |
| SLDGLOAD | 40 CFR Part 61, Subpart BB | 61BB-LOAD1 | Negative Applicability = The loading rack loads only benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant. | None |
| SURFCOAT | 30 TAC Chapter 115, Surface Coating Operations | 115-COAT01 | <p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director or no such alternate has been requested.</p> <p>Facility Operations = Other miscellaneous metal parts and products coating.</p> <p>VOC Emission Rate = Uncontrolled emission of less than 550 lb/24-hr period of VOC.</p> | None |

* - The "unit attributes" or operating conditions that determine what requirements apply

** - Notes changes made to the automated results from the DSS, and a brief explanation why

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

| NSR Permit | Federal Operating Permit(FOP) |
|---|--|
| Issued Prior to new Construction or modification of an existing facility | For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation. |
| Authorizes air emissions | Codifies existing applicable requirements, does not authorize new emissions |
| Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented. | Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP. |
| Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations. | One public notice required. Opportunity for public comments. No contested case hearings. |
| Applies to all point source emissions in the state. | Applies to all major sources and some non-major sources identified by the EPA. |
| Applies to facilities: a portion of site or individual emission sources | One or multiple FOPs cover the entire site (consists of multiple facilities) |
| Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis. | Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site. |
| Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources. | Opportunity for EPA review, Affected states review, and a Public petition period for every FOP. |
| Permits have a table listing maximum emission limits for pollutants | Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements. |
| Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin. | Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated. |
| NSR permits are issued independent of FOP requirements. | FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference |

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

| Prevention of Significant Deterioration (PSD) Permits | |
|--|---------------------------|
| PSD Permit No.: PSDTX36 | Issuance Date: 12/06/2013 |
| PSD Permit No.: PSDTX653M1 | Issuance Date: 07/03/2014 |
| PSD Permit No.: PSDTX831 | Issuance Date: 12/06/2013 |
| PSD Permit No.: PSDTX96 | Issuance Date: 03/31/2015 |
| Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area. | |
| Authorization No.: 17677A | Issuance Date: 12/10/2012 |
| Authorization No.: 19044 | Issuance Date: 09/13/2005 |
| Authorization No.: 20156 | Issuance Date: 03/16/2006 |
| Authorization No.: 21303 | Issuance Date: 11/26/2013 |
| Authorization No.: 21358 | Issuance Date: 01/31/2013 |
| Authorization No.: 21706 | Issuance Date: 03/31/2016 |
| Authorization No.: 22312 | Issuance Date: 12/06/2013 |
| Authorization No.: 2695A | Issuance Date: 12/10/2014 |
| Authorization No.: 2697A | Issuance Date: 05/27/2016 |
| Authorization No.: 2699A | Issuance Date: 03/31/2016 |
| Authorization No.: 2700A | Issuance Date: 06/11/2015 |
| Authorization No.: 2703A | Issuance Date: 03/31/2016 |
| Authorization No.: 2704A | Issuance Date: 12/12/2005 |

| | |
|--|------------------------------|
| Authorization No.: 2705A | Issuance Date: 03/31/2016 |
| Authorization No.: 2706A | Issuance Date: 03/31/2016 |
| Authorization No.: 2708A | Issuance Date: 04/01/2015 |
| Authorization No.: 3119A | Issuance Date: 03/03/2006 |
| Authorization No.: 3123A | Issuance Date: 11/17/2014 |
| Authorization No.: 3390A | Issuance Date: 11/30/2012 |
| Authorization No.: 3857A | Issuance Date: 10/28/2005 |
| Authorization No.: 46637 | Issuance Date: 10/31/2012 |
| Authorization No.: 46640 | Issuance Date: 04/01/2015 |
| Authorization No.: 46641 | Issuance Date: 02/18/2015 |
| Authorization No.: 46642 | Issuance Date: 02/13/2012 |
| Authorization No.: 5418A | Issuance Date: 12/06/2013 |
| Authorization No.: 6722A | Issuance Date: 03/31/2015 |
| Authorization No.: 72654 | Issuance Date: 03/31/2016 |
| Authorization No.: 80521 | Issuance Date: 05/16/2007 |
| Authorization No.: 8653A | Issuance Date: 03/08/2011 |
| Authorization No.: 9604A | Issuance Date: 07/03/2014 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.183 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 12/24/1998 |
| Number: 106.261 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 12/24/1998 |
| Number: 106.262 | Version No./Date: 09/04/2000 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.371 | Version No./Date: 09/04/2000 |
| Number: 106.433 | Version No./Date: 09/04/2000 |
| Number: 106.454 | Version No./Date: 11/01/2001 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.473 | Version No./Date: 09/04/2000 |
| Number: 106.478 | Version No./Date: 03/14/1997 |
| Number: 106.478 | Version No./Date: 09/04/2000 |
| Number: 106.492 | Version No./Date: 09/04/2000 |

| | |
|-----------------|------------------------------|
| Number: 106.511 | Version No./Date: 09/04/2000 |
| Number: 106.512 | Version No./Date: 06/13/2001 |
| Number: 106.532 | Version No./Date: 09/04/2000 |
| Number: 14 | Version No./Date: 06/07/1996 |
| Number: 15 | Version No./Date: 09/23/1982 |
| Number: 51 | Version No./Date: 09/12/1989 |
| Number: 53 | Version No./Date: 09/12/1989 |
| Number: 57 | Version No./Date: 04/04/1975 |
| Number: 58 | Version No./Date: 05/12/1981 |
| Number: 61 | Version No./Date: 09/12/1989 |
| Number: 61 | Version No./Date: 10/04/1995 |
| Number: 62 | Version No./Date: 05/12/1981 |
| Number: 63 | Version No./Date: 05/12/1981 |
| Number: 80 | Version No./Date: 05/04/1994 |
| Number: 80 | Version No./Date: 06/07/1996 |
| Number: 86 | Version No./Date: 08/30/1988 |
| Number: 86 | Version No./Date: 09/12/1989 |
| Number: 86 | Version No./Date: 09/13/1993 |
| Number: 86 | Version No./Date: 05/04/1994 |
| Number: 88 | Version No./Date: 07/20/1992 |
| Number: 102 | Version No./Date: 01/08/1980 |
| Number: 106 | Version No./Date: 08/30/1988 |
| Number: 106 | Version No./Date: 07/20/1992 |
| Number: 106 | Version No./Date: 04/05/1995 |
| Number: 111 | Version No./Date: 09/12/1989 |
| Number: 111 | Version No./Date: 07/20/1992 |
| Number: 118 | Version No./Date: 01/08/1980 |
| Number: 118 | Version No./Date: 04/05/1995 |

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the “Maximum Allowable Emission Rate Table”, or “MAERT” for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit’s compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 17-INC | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly and within 24 hours of any change in fuel | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf). | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 19-H1 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL02 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 19-H2 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL02 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 29-H2 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of fuel. | |
| Minimum Frequency: quarterly and within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|--------------------------------|
| ID No.: 47-TK0103 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115-1 |
| Pollutant: VOC | Main Standard: § 115.112(b)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: Discharge opening not entirely submerged when pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation. | |
| <p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p> | |

| | |
|---|--------------------------------|
| Unit/Group/Process Information | |
| ID No.: 47-TK0103 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115-1 |
| Pollutant: VOC | Main Standard: § 115.112(b)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: Structural integrity of the pipe is in question and not repaired before refilling. | |
| <p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p> | |

| | |
|--|--------------------------|
| Unit/Group/Process Information | |
| ID No.: 64-TK0013 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115TK-03 |
| Pollutant: VOC | Main Standard: 115.112 |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: Discharge opening not entirely submerged when pipe used to withdraw liquid from the tank; tank can no longer withdraw liquid in normal operation. | |
| Basis of monitoring: The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. | |

| Unit/Group/Process Information | |
|---|--------------------------|
| ID No.: 64-TK0013 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115TK-03 |
| Pollutant: VOC | Main Standard: 115.112 |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: Structural integrity of the pipe is in question and is not repaired before refilling. | |
| <p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p> | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 73-FLR442 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| | |
|---|-------------------------------|
| Unit/Group/Process Information | |
| ID No.: 73-FLR446 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| | |
|---|-------------------------------|
| Unit/Group/Process Information | |
| ID No.: 73-VC447 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 73-VC448 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
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| ID No.: 73-VC449 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|-------------------------------|
| ID No.: 82-FLR454 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart J | SOP Index No.: 60J-FUEL01 |
| Pollutant: Hydrogen Sulfide | Main Standard: § 60.104(a)(1) |
| Monitoring Information | |
| Indicator: Sulfur Content of Fuel | |
| Minimum Frequency: quarterly or within 24 hours of any fuel change | |
| Averaging Period: n/a | |
| Deviation Limit: H ₂ S in fuel gas > 230 mg/dscm (0.10 gr/dscf) | |
| Basis of monitoring: Determining the concentration of components in the feed stock would indicate whether the emission limitation or standard are being met. | |

| Unit/Group/Process Information | |
|---|--------------------------------|
| ID No.: 854-TK0002 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115TK-05 |
| Pollutant: VOC | Main Standard: § 115.112(b)(1) |
| Monitoring Information | |
| Indicator: Internal Floating Roof | |
| Minimum Frequency: annually | |
| Averaging Period: n/a | |
| Deviation Limit: Roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation | |
| <p>Basis of monitoring:</p> <p>The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the “Periodic Monitoring Technical Reference Document” (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> | |

| Unit/Group/Process Information | |
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| ID No.: ENGVENT01 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: 111-ENGVENT01 |
| Pollutant: Opacity | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| Deviation Limit: Presence of visible emissions is a deviation, or 20% or greater opacity is a deviation | |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> | |

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| Unit/Group/Process Information | |
| ID No.: GRP1STACK | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: 111-VENT01 |
| Pollutant: Opacity | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| Deviation Limit: Presence of visible emissions is a deviation, or 15% or greater opacity is a deviation | |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> | |

| Unit/Group/Process Information | |
|--|-----------------------------------|
| ID No.: GRP2STACK | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: 111-VENT01 |
| Pollutant: Opacity | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a | |
| Deviation Limit: Presence of visible emissions is a deviation, or 15% or greater opacity is a deviation | |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> | |

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| Unit/Group/Process Information | |
| ID No.: GRPVENDTKS | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115TK-03 |
| Pollutant: VOC | Main Standard: § 115.112(b)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: Structural integrity of the pipe is in question and not repaired before refilling. | |
| <p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p> | |

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| Unit/Group/Process Information | |
| ID No.: GRPVENDTKS | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: 115TK-03 |
| Pollutant: VOC | Main Standard: § 115.112(b)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: Discharge opening not entirely submerged when pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation. | |
| <p>Basis of monitoring:</p> <p>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. This approach was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources.</p> | |

| Unit/Group/Process Information | |
|---|---------------------------|
| ID No.: PROEPSRU | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 112, Sulfur Compounds | SOP Index No.: 112-SRU01 |
| Pollutant: SO ₂ | Main Standard: § 112.7(a) |
| Monitoring Information | |
| Indicator: SO ₂ Concentration | |
| Minimum Frequency: four times per hour | |
| Averaging Period: hourly | |
| Deviation Limit: Greater than 250 ppm hourly average or greater than 250 ppm on a 12-hour rolling average. | |
| <p>Basis of monitoring:</p> <p>SO₂ concentration is provided as a monitoring option for any control device because an increase in SO₂ concentration may be indicative of the control device performance. Outlet SO₂ concentration has been used as an indicator in many federal and state rules.</p> | |

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes

OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes